CLAIMS

What is claimed is:

1. A method for making changes to an active schedule being processed by a host controller, the method comprising:

examining a transaction descriptor;

determining a current state for a transaction based on the transaction descriptor; and

preventing the transaction from starting if the current state indicates the transaction has not already started.

2. The method of claim 1, wherein the transaction descriptor includes a control bit to retain information related to a change in the active schedule.

3. The method of claim 1, further including marking the transaction descriptor as inactive.

4. The method of claim 1, further including allowing the transaction to complete if the current state indicates the transaction has already started.

5. The method of claim 1, wherein the transaction is a split transaction.

6. The method of claim 1, wherein the transaction descriptor includes a queue head, which is updated once the transaction is completed.

7. An apparatus comprising:

a transaction descriptor; and

a host controller, the host controller including,

a first programmable component to determine a current state for a transaction based on the transaction descriptor and

a second programmable component to prevent the transaction from starting if the current state indicates the transaction has not already started.

8. The apparatus of claim 7, wherein the transaction descriptor includes a control bit to retain information related to a change in the active schedule.

9. The apparatus of claim 7, further including a third programmable component to mark the transaction descriptor as inactive.

10. The apparatus of claim 7, further including a fourth programmable component to allow the transaction to complete if the current state indicates the transaction has already started.

11. The apparatus of claim 7, wherein the transaction is a split transaction.

12. The apparatus of claim 7, wherein the transaction descriptor includes a queue head, which is updated once the transaction is completed.

13. An system comprising:

a transaction descriptor;

an agent; and

a host controller coupled to the agent, the host controller including,

a first programmable component to determine a current state for a transaction based on the transaction descriptor and

a second programmable component to prevent the transaction from starting if the current state indicates the transaction has not already started.

14. The system of claim 13, wherein the transaction descriptor includes a control bit to retain information related to a change in the active schedule.

15. The system of claim 13, further including a third programmable component to mark the transaction descriptor as inactive.

16. The system of claim 13, further including a fourth programmable component to allow the transaction to complete if the current state indicates the transaction has already started.

17. The system of claim 13, wherein the transaction is a split transaction.

18. The system of claim 13, wherein the transaction descriptor includes a queue head, which is updated once the transaction is completed.